Assignment 2

Temperature and humidity monitoring using python

Python code:

```
import random
def tempMonitor():
min_temp=15
max_temp=25
min hum=30
max_hum=50
temp = random.randint(14,26)
humidity = random.randint(29,51)
if ((temp>=min_temp)and(temp<=max_temp) and (humidity>=min_hum) and
(humidity<=max_hum)):
 print("Temperature and Humidity is optimum")
 tempMonitor()
else:
 if(temp<min_temp):</pre>
  print("Temperature is too Cold:"+ str(temp))
 if(humidity<min_hum):</pre>
  print("Humidity is too Low:"+ str(humidity))
 if(temp>max_temp):
  print("ALERT : Temperature is too Hot:"+ str(temp))
 if(humidity>max_hum):
  print("ALERT : Humidity is too High:"+ str(humidity))
return
```

tempMonitor()

IDLE OUTPUT:









